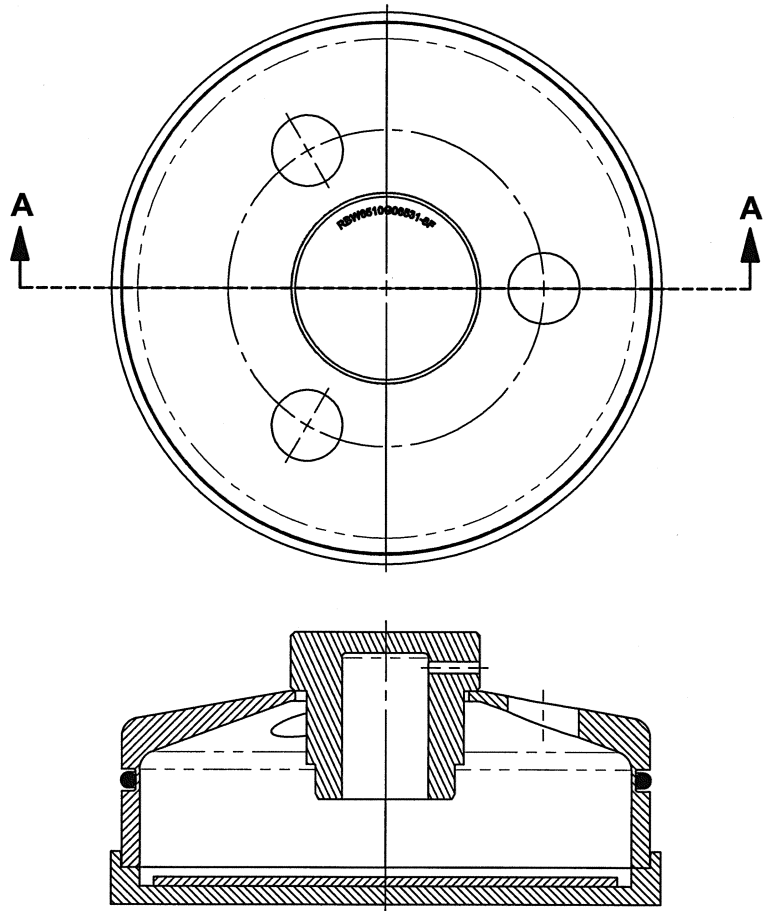


ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6510G06531-6F-1	SUPPORT #1 ASSEMBLY
-3	1	RBW6510G06531-6F-3	SUPPORT #2
-4	1	RBW6510G06531-6F-4	BASE
-5	1	RBW6510G06531-6F-5	PRESS
-6	1	RBW6510G06531-6F-6	PROTECTION
7	1	McMaster#9452K521 OR EQUIV.	BUNA-N O-RING 6-3/4" ID. X 7-1/8" OD. X 3/16" WD.

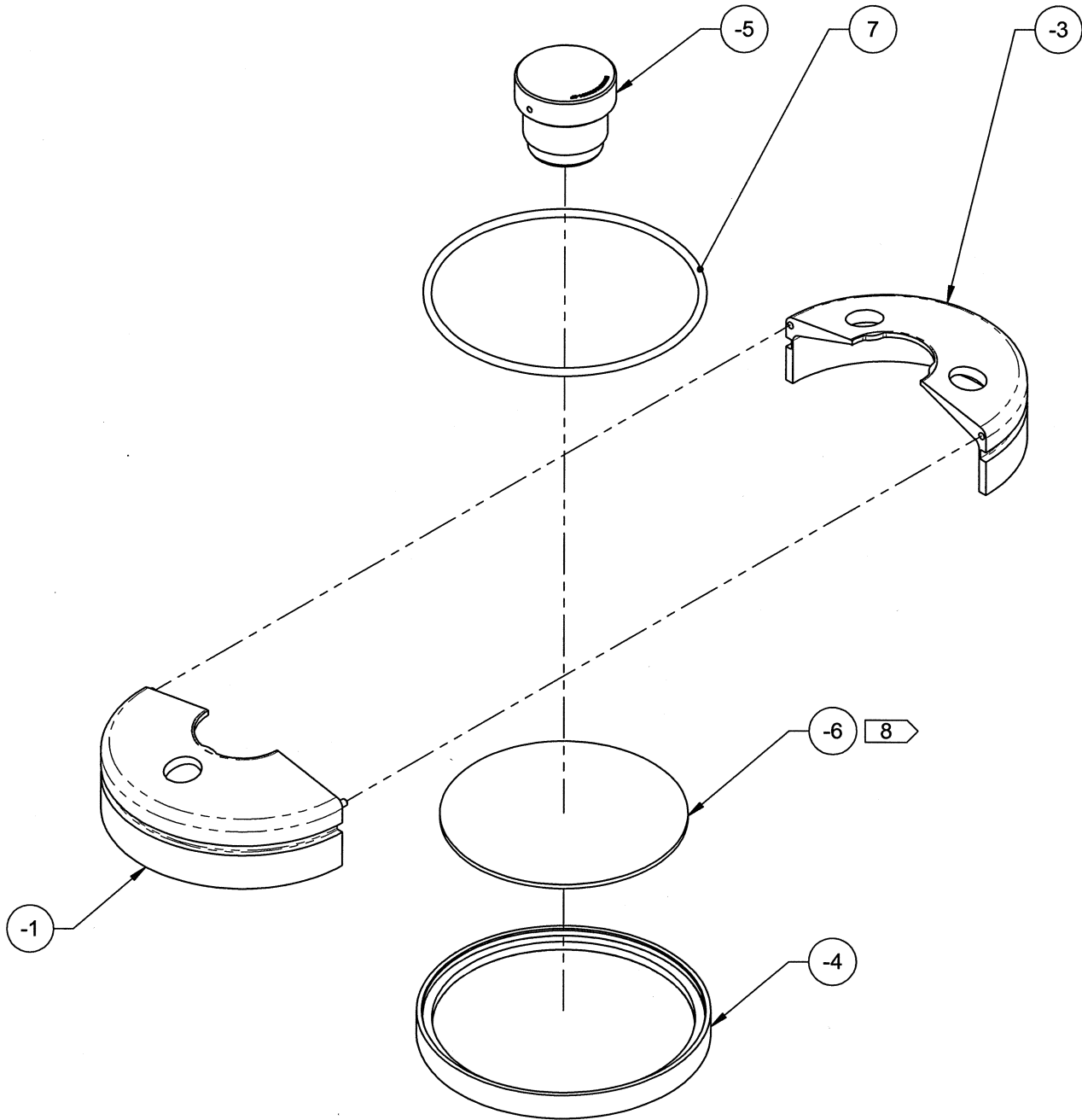


SECTION A-A

RBW6510G06531-6F OUTER ADAPTER INSTL. TOOL

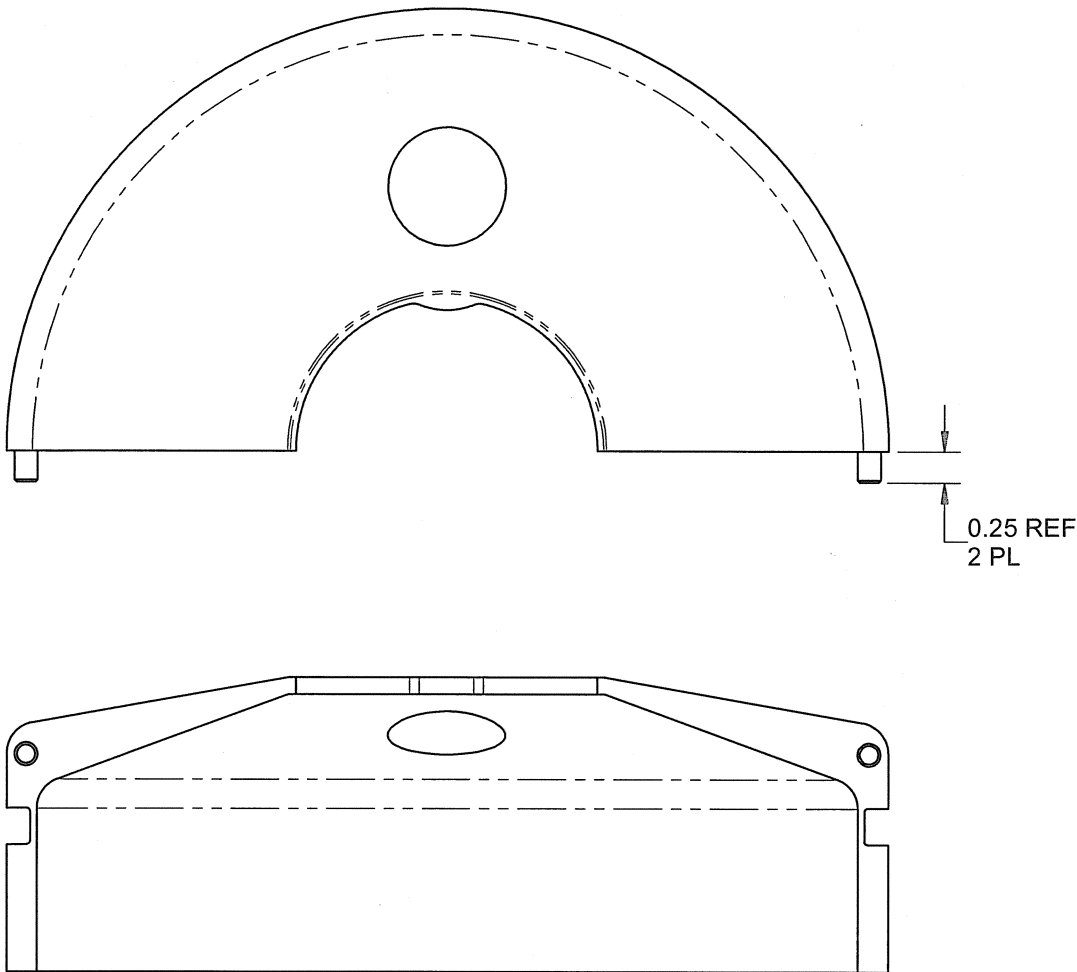
NOTES:

- 1) MATERIAL: N/A  
2) HEAT TREAT: N/A  
3) FINISH: N/A  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) IDENTIFICATION: N/A  
7) ASSEMBLE AS SHOWN  
8) APPLY INSTANT ADHESIVE LOCTITE 495 BETWEEN THE SURFACES OF ITEM -6 AND ITEM -4, AND REMOVE EXCESS  
9) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG



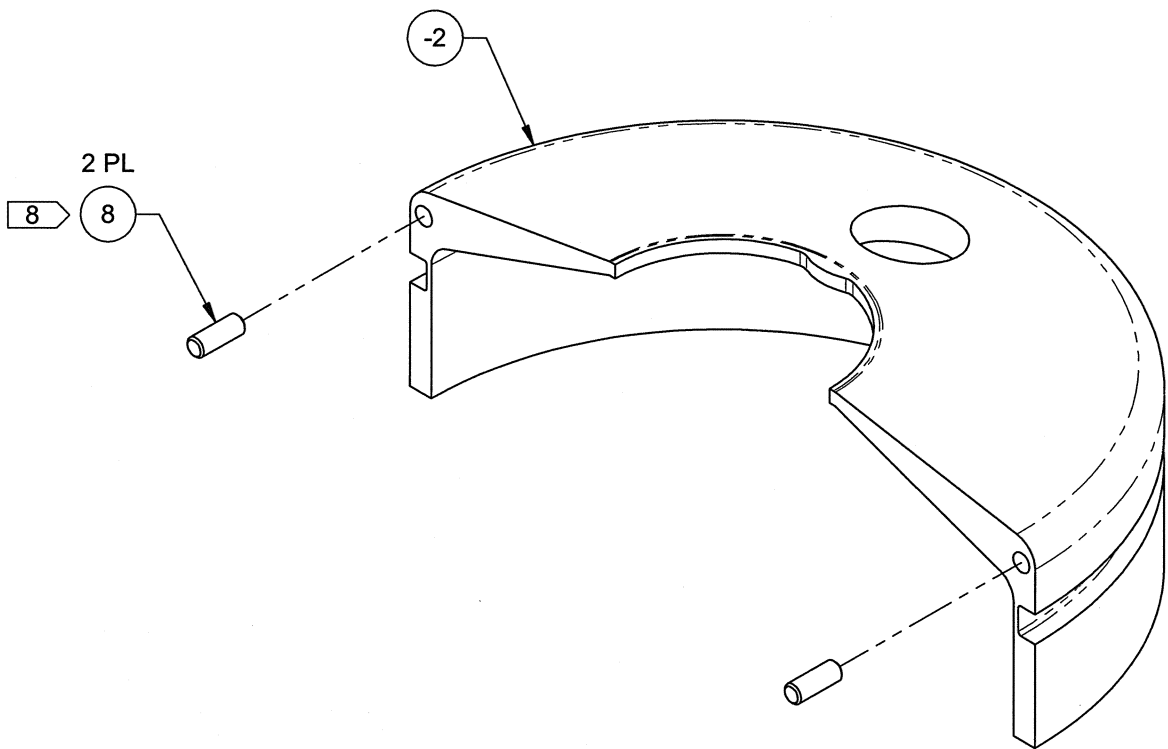
A	NEW ISSUE	19-801	KPT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6510G06531-6F	SHEET 1 OF 7
APPROVED	Wp	TITLE	SCALE
		OUTER ADAPTER INSTL. TOOL	NTS
DATE	2019-07-04	COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

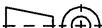
ITEM #	QTY	PART #	PART TITLE
-2	1	RBW6510G06531-6F-2	SUPPORT #1
8	2	McMaster#98381A314 OR EQUIV.	BLACK OXIDE STEEL DOWEL PIN 3/16" DIA. X 1/2" LG.

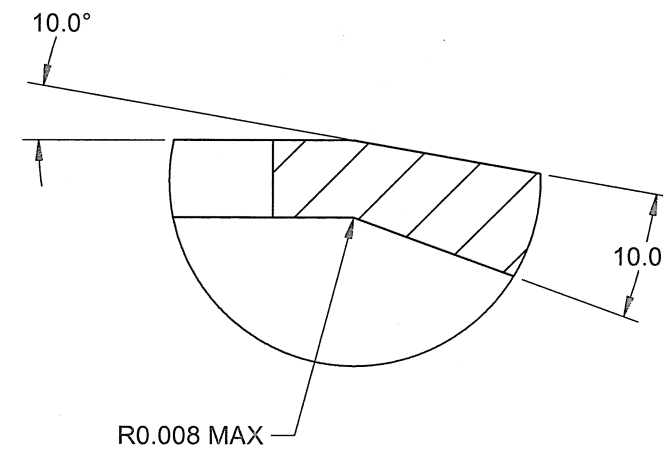
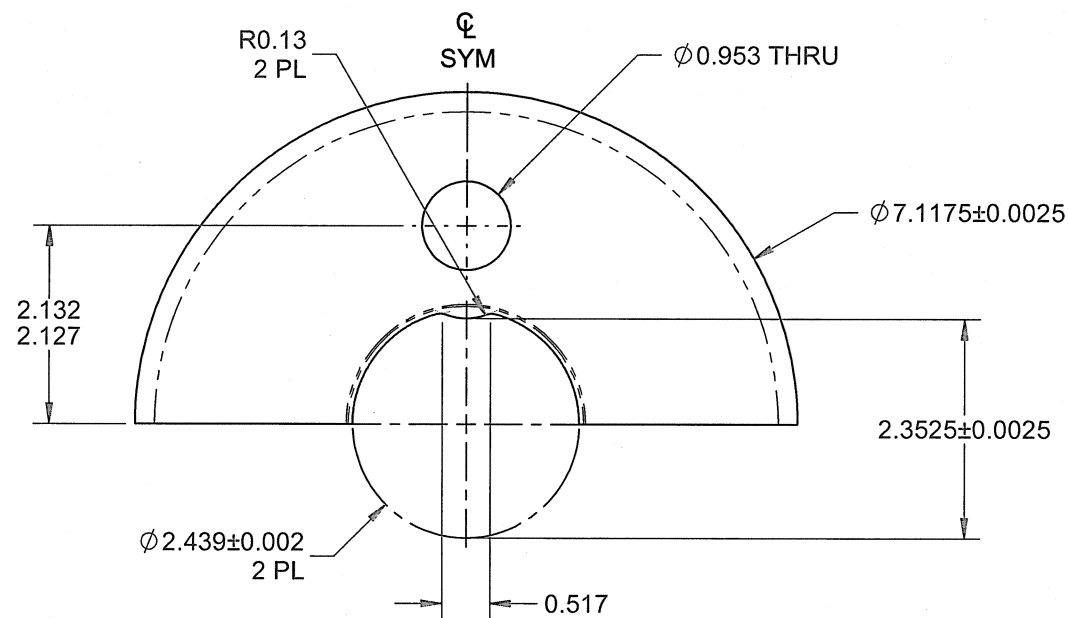


**RBW6510G06531-6F-1 SUPPORT #1 ASSEMBLY**

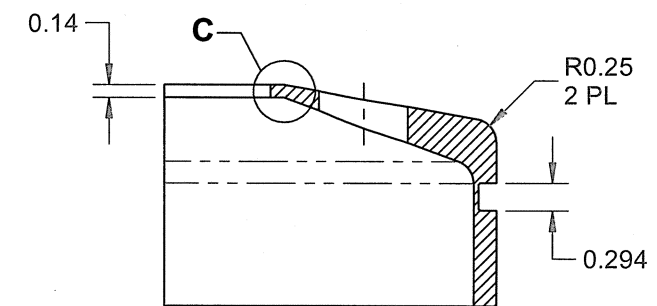
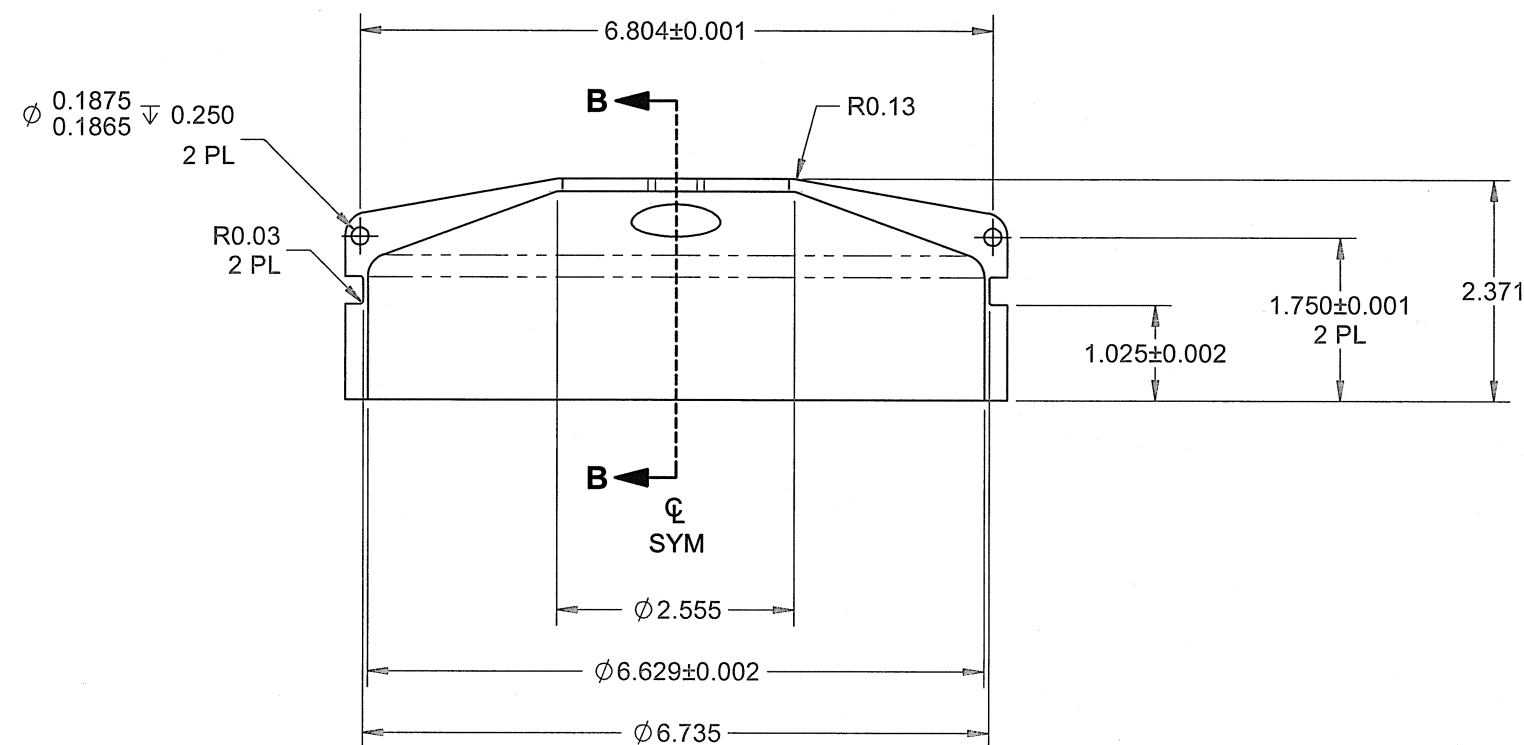
- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) IDENTIFICATION: N/A
  - 7) ASSEMBLE AS SHOWN
  - 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES  
THEN PRESS FIT ITEM 8 WITH ITEM -2, AND REMOVE EXCESS



DESIGN	KPT	<b>DART AEROSPACE LTD</b>	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6510G06531-6F	SHEET 2 OF 7
APPROVED		TITLE	SCALE
		OUTER ADAPTER INSTL. TOOL	NTS 
DATE	2019-07-04	COPYRIGHT © 2019 BY DART AEROSPACE LTD	
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**DETAIL C**



**SECTION B-B**

**RBW6510G06531-6F-2 SUPPORT #1**

- NOTES:**
- 1) MATERIAL: 4140 (28-32 RC)
  - 2) HEAT TREAT: N/A
  - 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
  - 4) TOLERANCES: X.X =  $\pm 0.1$ " /  $\pm 1^\circ$   
X.XX =  $\pm 0.01$ " /  $\pm 0.5^\circ$   
X.XXX =  $\pm 0.005$ " /  $\pm 0.1^\circ$   
X.XXXX =  $\pm 0.0005$ " /  $\pm 0.05^\circ$   
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005$ "
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) REMOVE ALL SHARP EDGES AND BURRS
  - 7) IDENTIFICATION: N/A

DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6510G06531-6F	SHEET 3 OF 7
APPROVED		TITLE	SCALE
DATE	2019-07-04	OUTER ADAPTER INSTL. TOOL	NTS
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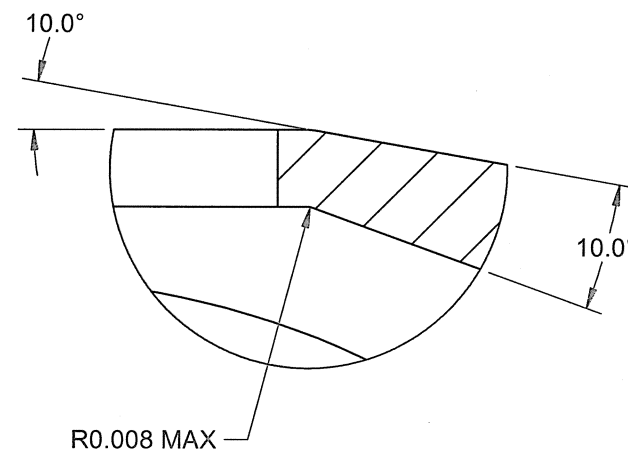
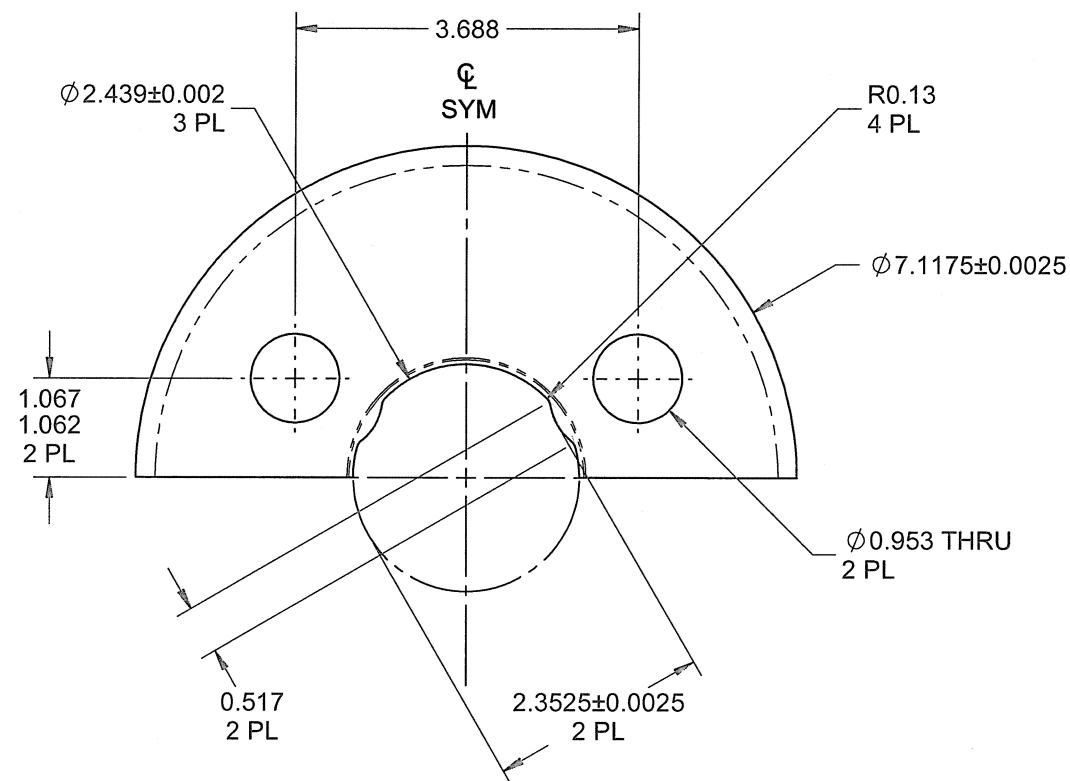
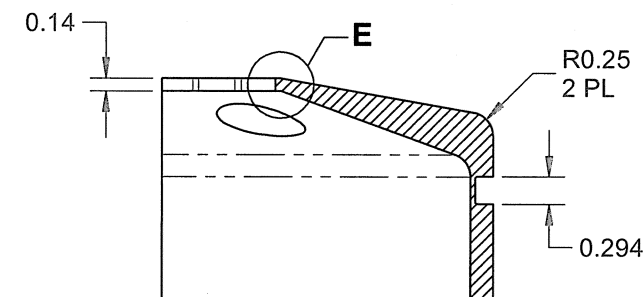
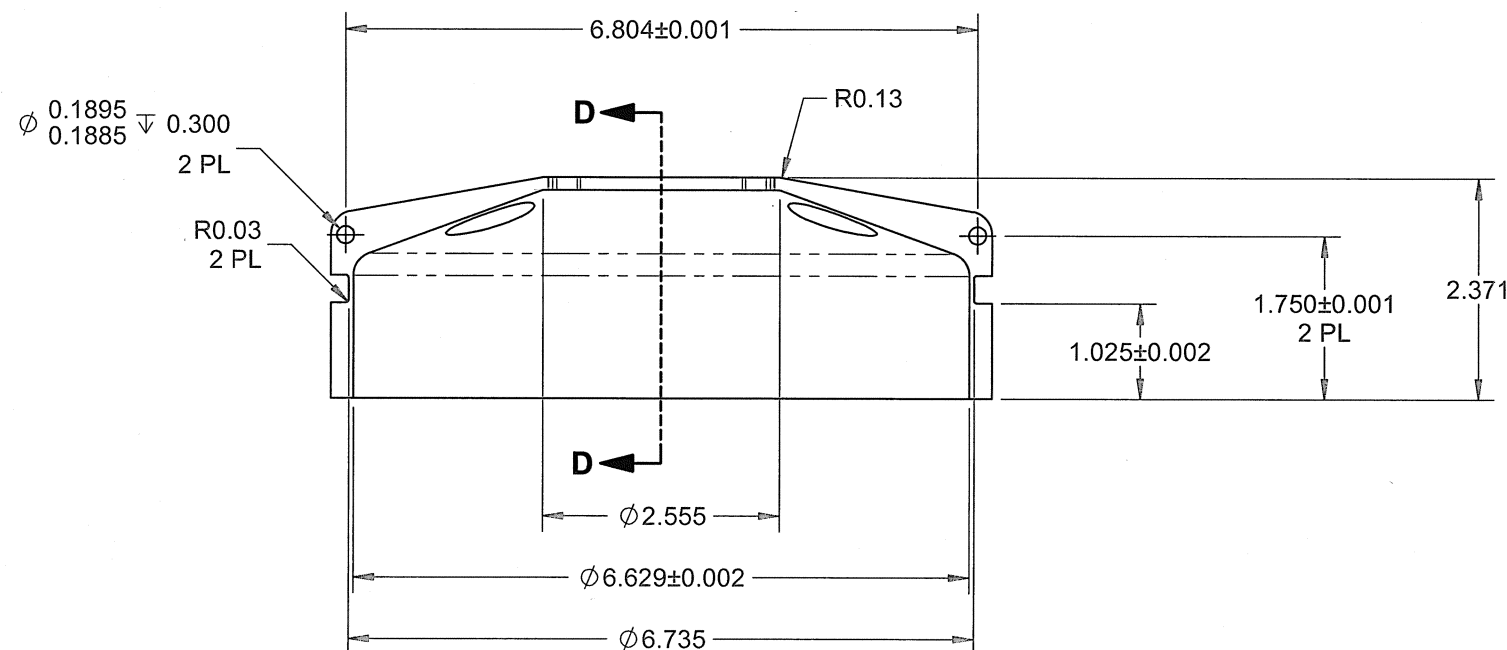
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**DETAIL E****SECTION D-D****RBW6510G06531-6F-3 SUPPORT #2****NOTES:**

1) MATERIAL: 4140 (28-32 RC)

2) HEAT TREAT: N/A



3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

4) TOLERANCES: X.X =  $\pm 0.1$ " /  $\pm 1^\circ$ X.XX =  $\pm 0.01$ " /  $\pm 0.5^\circ$ X.XXX =  $\pm 0.005$ " /  $\pm 0.1^\circ$ X.XXXX =  $\pm 0.0005$ " /  $\pm 0.05^\circ$ PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005$ "

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS

7) IDENTIFICATION: N/A

DESIGN	KPT	<b>DART AEROSPACE LTD</b>	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6510G06531-6F	SHEET 4 OF 7
APPROVED		TITLE	SCALE
		OUTER ADAPTER INSTL. TOOL	NTS 
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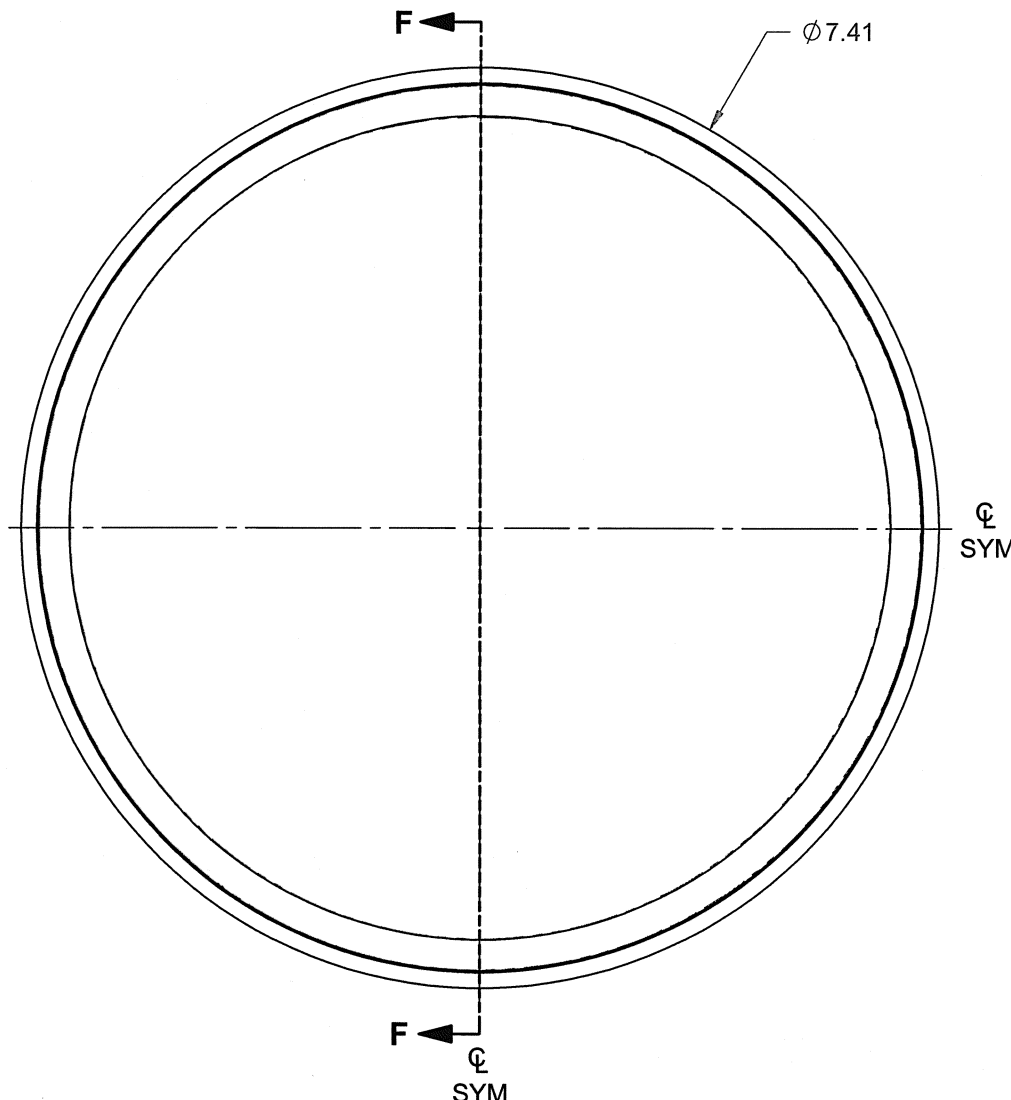
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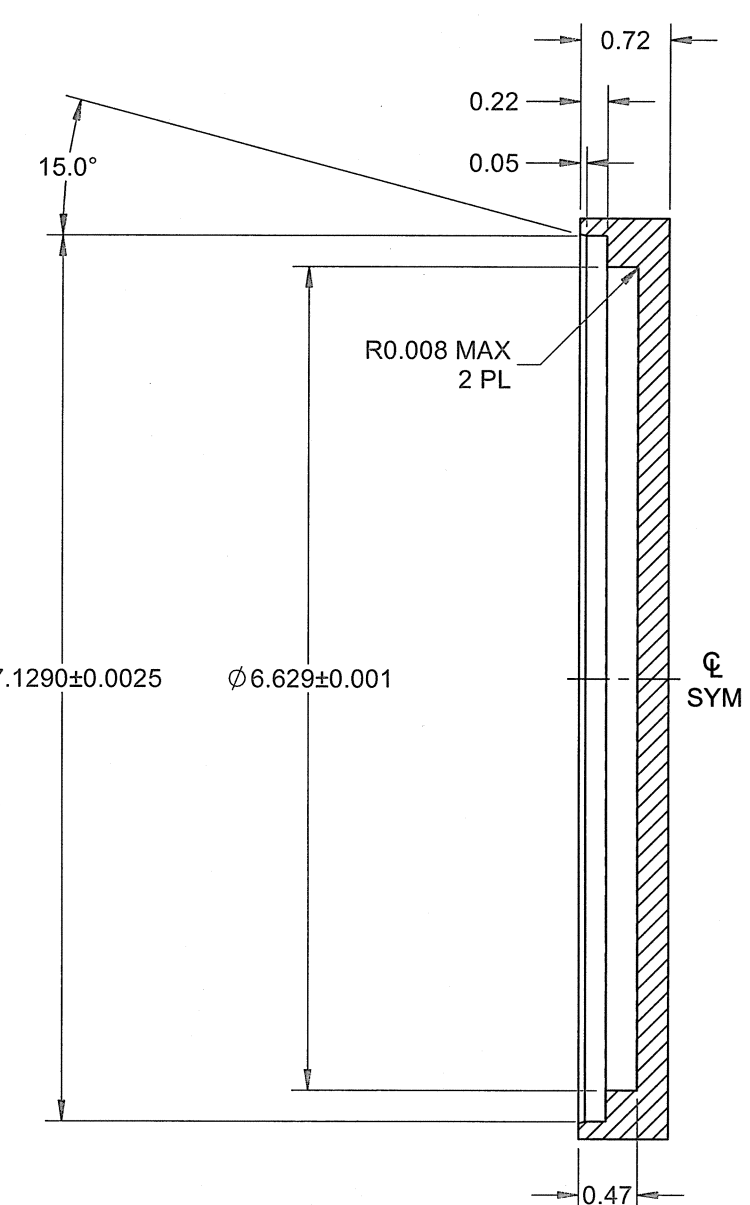
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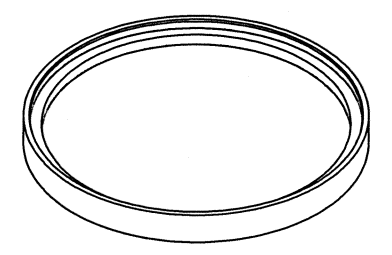
**RBW6510G06531-6F-4 BASE**

- NOTES:
- 1) MATERIAL: 6061-T6 / 7075-T6
  - 2) HEAT TREAT: N/A
  - 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) REMOVE ALL SHARP EDGES AND BURRS
  - 7) IDENTIFICATION: N/A

8 7 6 5 4 3 2 1



**SECTION F-F**



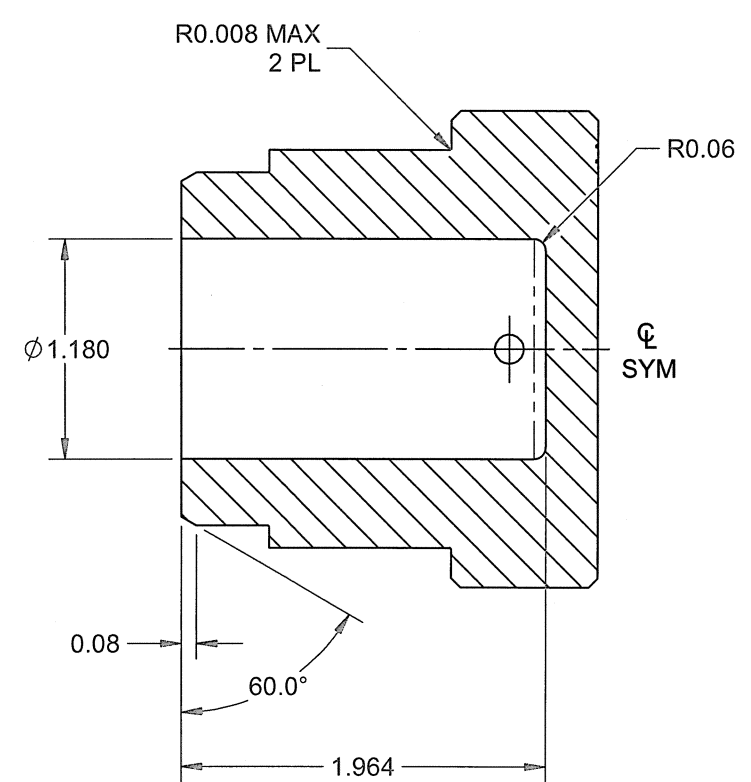
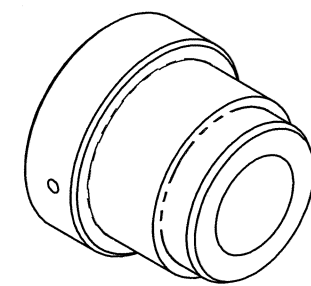
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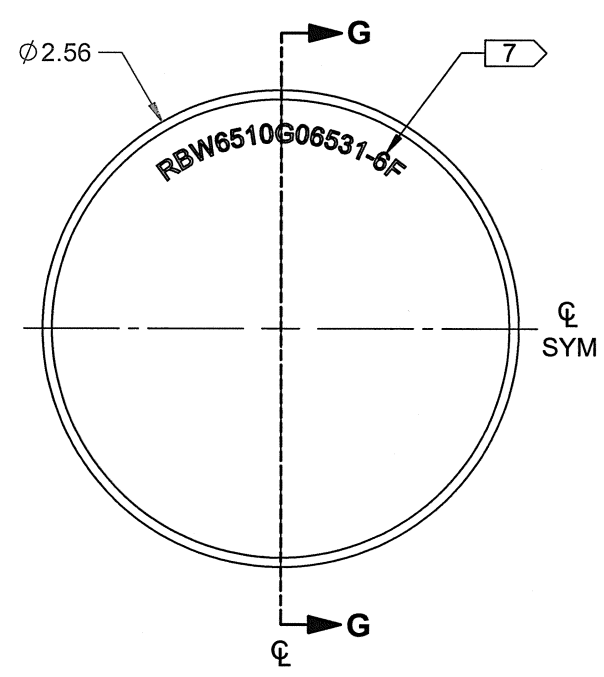
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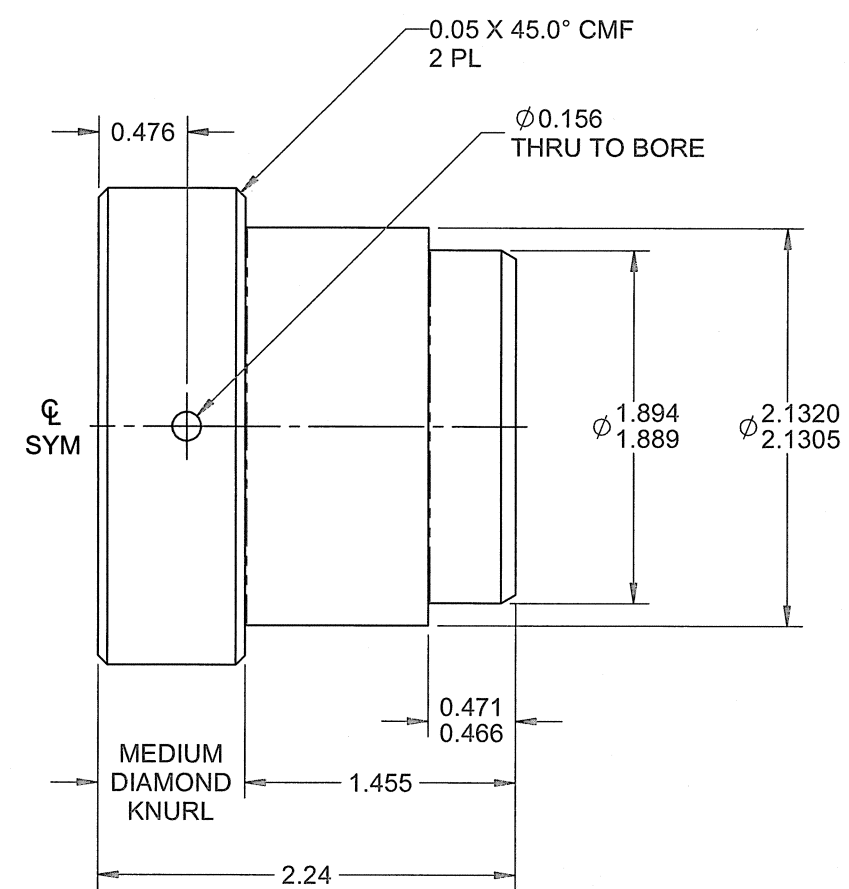
DESIGN	KPT	<b>DART AEROSPACE LTD</b>	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	JFC	<b>RBW6510G06531-6F</b>	SHEET 5 OF 7
APPROVED		TITLE	SCALE
		<b>OUTER ADAPTER INSTL. TOOL</b>	NTS
DATE	<b>2019-07-04</b>	COPYRIGHT © 2019 BY DART AEROSPACE LTD	
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
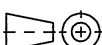
**SECTION G-G**



**RBW6510G06531-6F-5 PRESS**



- NOTES:
- 1) MATERIAL: 6061-T6 / 7075-T6
  - 2) HEAT TREAT: N/A
  - 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) REMOVE ALL SHARP EDGES AND BURRS
  - 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N, "RBW6510G06531-6F", AS SHOWN

DESIGN	KPT	<b>DART AEROSPACE LTD</b>	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	JFC	<b>RBW6510G06531-6F</b>	SHEET 6 OF 7
APPROVED		TITLE	SCALE
		<b>OUTER ADAPTER INSTL. TOOL</b>	NTS 
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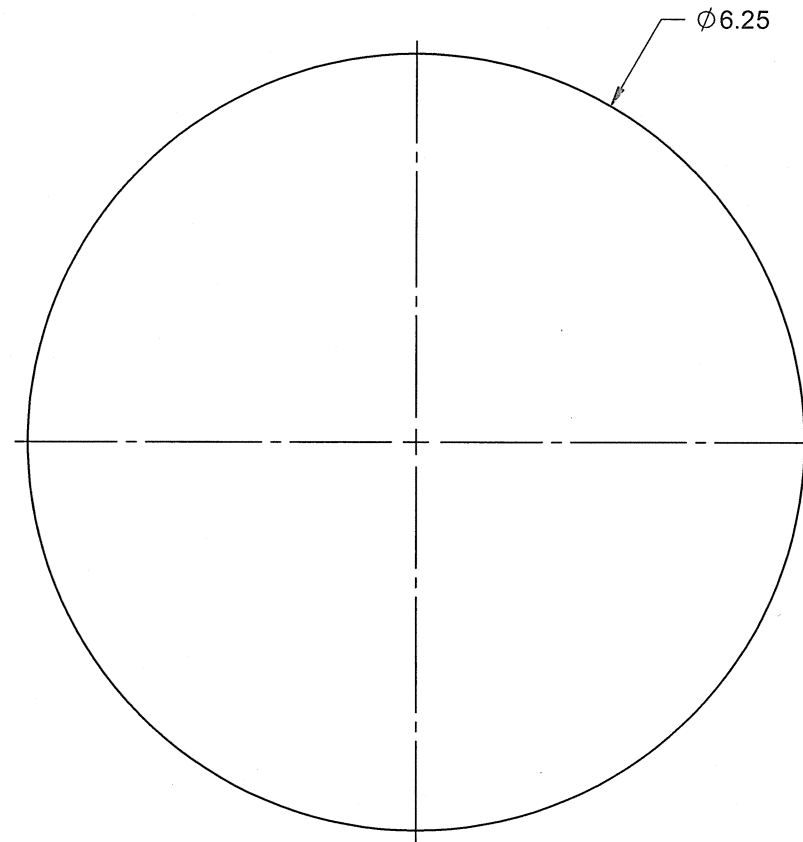
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**RBW6510G06531-6F-6 PROTECTION**

NOTES:

- 1) MATERIAL: McMaster#8716K821 OR EQUIV. (POLYURETHANE RUBBER SHEET 80A DUROMETER X 1/8" THK.)
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A

DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		REV. A
DRAWN	KPT			
CHECKED	VM	TOOL PART #	<b>RBW6510G06531-6F</b>	
MFG. APPR.	JFC	TITLE		
APPROVED		OUTER ADAPTER INSTL. TOOL	SCALE NTS	
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